

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D206-540 REV. J

REF CANADIAN STC: SH94-5

REF FAA STC: SR00386NY

REF GERMAN STC: LBA RC 1124

PURPOSE

THIS DART SERVICE INSTRUCTION PROVIDES PARTS AND INSTRUCTIONS FOR MODIFYING A D206-540-013 HELI-UTILITY-BASKET FOR INSTALLATION OF SCANNING EQUIPMENT.

MODIFICATION PROCEDURE:

- 1) DISASSEMBLE BASKET AND RETAIN HARDWARE.
- 2) LOCATE THE D4317-1 VIEWING PLATE AND D4317-3 WIRING PLATE AND TRIM EXPANDED METAL AS SHOWN IN FIGURE 1 AND SECTIONS A-A & B-B. REMOVE FINISH ON EXPANDED METAL LOCALLY AND TIG WELD (TACK WELD) D4317-1 AND D4317-3 TO THE EXPANDED METAL, PER MIL-STD-2219/AMS-STD-2219 CLASS 'C' USING ER308L OR ER316L FILLER ROD.
- 3) LOCATE THE D4317-5 GPS PLATE AND TRIM EXPANDED METAL AS SHOWN IN SECTION C-C. REMOVE FINISH ON THE BASKET LID TUBULAR STRUCTURE AND EXPANDED METAL LOCALLY. TIG WELD (FILLET & TACK WELD) D4317-5 TO THE TUBULAR STRUCTURE AND EXPANDED METAL AS SHOWN IN FIGURE 1, PER MIL-STD-2219/AMS-STD-2219 CLASS 'C' USING ER308L OR ER316L FILLER ROD.
- 4) LOCATE D4317-041/-043 AS SHOWN IN SECTION C-C. REMOVE FINISH ON THE BASKET LID TUBES LOCALLY AND TIG WELD THE D4317-041/-043 COVER PANEL RETAINERS IN PLACE PER MIL-STD-2219/AMS-STD-2219 CLASS 'C' USING ER308L OR ER316L FILLER ROD.
- 5) LOCATE QTY (4) D4136-041 TUBE ASSEMBLIES AS SHOWN IN SECTION D-D. REMOVE FINISH ON THE BASKET BASE HOOPS LOCALLY AND TIG WELD THE D4136-041 TUBE ASSEMBLIES IN PLACE PER MIL-STD-2219/AMS-STD-2219 CLASS 'C' USING ER308L OR ER316L FILLER ROD.
- 6) TOUCH UP POWDER COAT OF AFFECTED AREAS ON BOTH LID AND BASE WITH WHITE POWDER COAT (4.3.5.2) PER DART QSI 005 4.3 OR PRIME/PAINT PER AIRCRAFT MAINTENANCE MANUAL.
- 7) RE-ASSEMBLE BASKET PER D206-540 REV J. REPLACE ANY WORN HARDWARE AS NECESSARY.

WEIGHT CHANGE:

THIS MODIFICATION ADDS 4.5 LBS TO THE WEIGHT OF THE BASKET WHICH REDUCES THE CARGO CARRYING CAPACITY OF THE BASKET BY 4.5 LBS.

NOTE:

IF A BASKET MODIFIED PER DSI 9542 IS GOING TO BE USED TO CARRY LOOSE CARGO THE CUTOUTS IN THE EXPANDED METAL FOR D4317-1 & D4317-3 MUST BE COVERED WITH BLANKING PLATES.

PRELIMINARY A4
11.02.22 (AJS)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: _____
D. SHEPHERD (DE # 02)

DATE: 11.02.16
CERT. NO.: SH94-5
ISSUE NO.: 4

A	SHT 2 BOM ITEM 3 QTY WAS 4	AJS	11.02.22
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		DSI 9542	SHEET 1 OF 4
APPROVED		TITLE	SCALE
DE APPR.		BASKET MODIFICATION	NTS
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ITEM No.	QTY	PART NUMBER	DESCRIPTION
	X	DSI-9542-041	BASKET MODIFICATION
1	4	D4316-041	TUBE ASSEMBLY
2	12	D4317-041	COVER PANEL RETAINER
3	5	D4317-043	COVER PANEL RETAINER
4	1	D4317-1	VIEWING PLATE
5	1	D4317-3	WIRING PLATE
6	1	D4317-5	GPS PLATE

PRELIMINARY A3
11.02.22 (AJS)

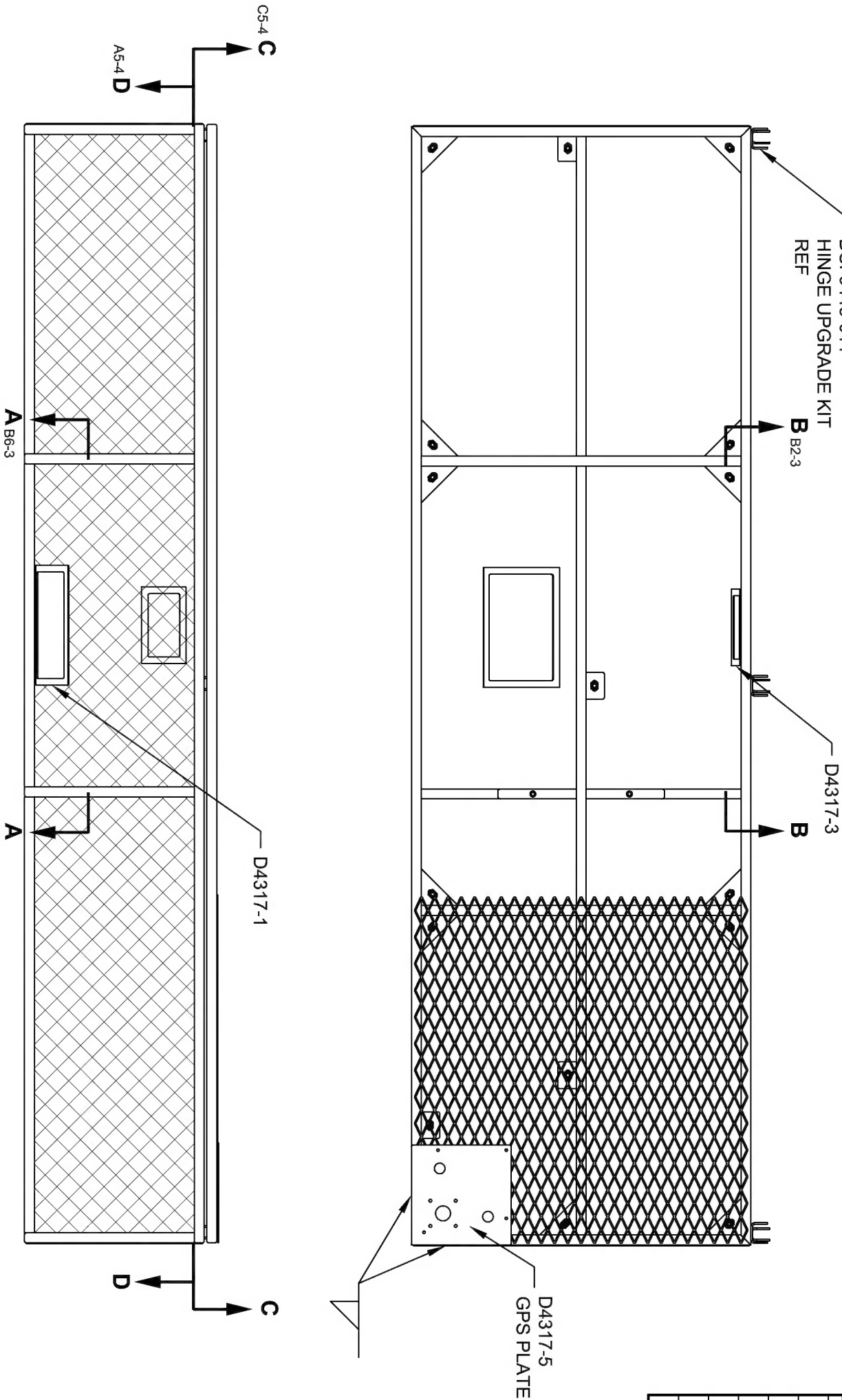


FIGURE 1: D206-540-013 HELI-UTILITY-BASKET SHOWN
(EXPANDED METAL SHOWN LOCALLY FOR CLARITY)

CANADA
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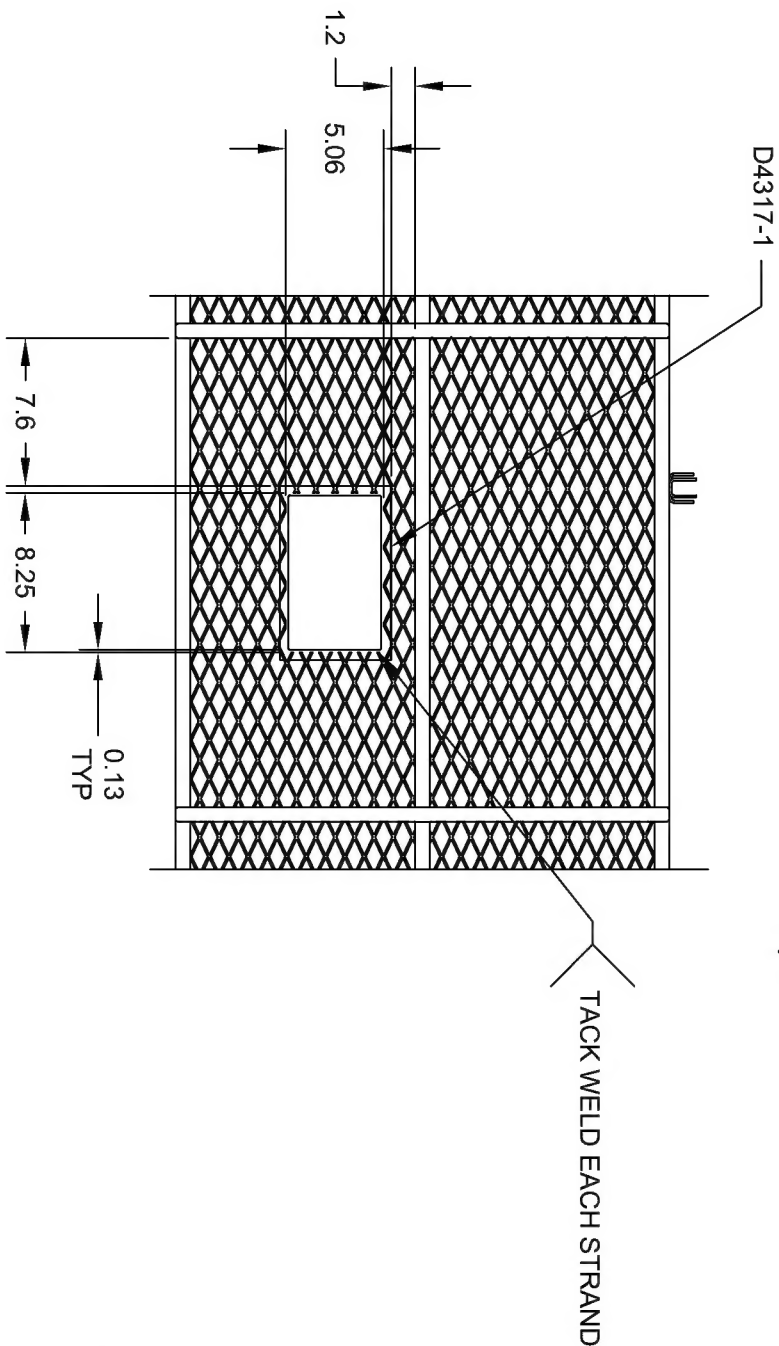
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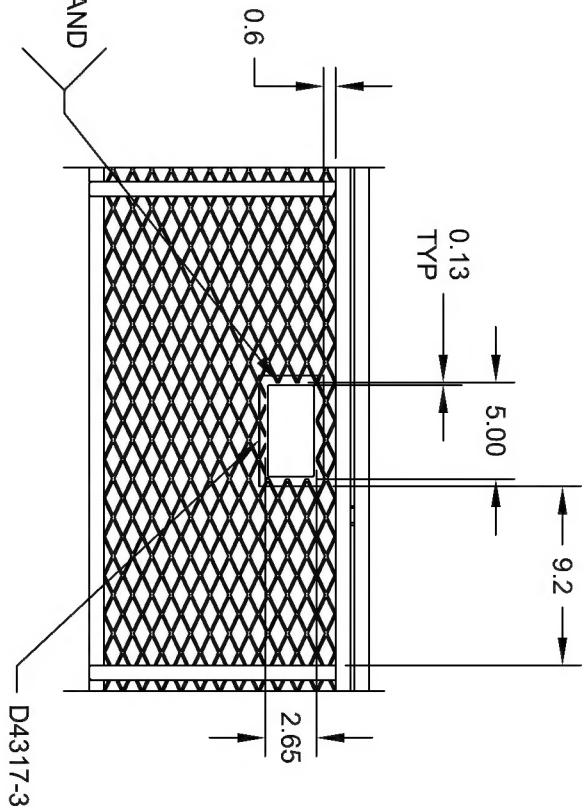
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DSI 9542		
TITLE		SHEET 2 OF 4
BASKET MODIFICATION		SCALE
		NTS

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PRELIMINARY A3
11.02.22 (AJS)



SECTION A-A B6-2



SECTION B-B D6-2

A

B

C

D

A

B

C

D

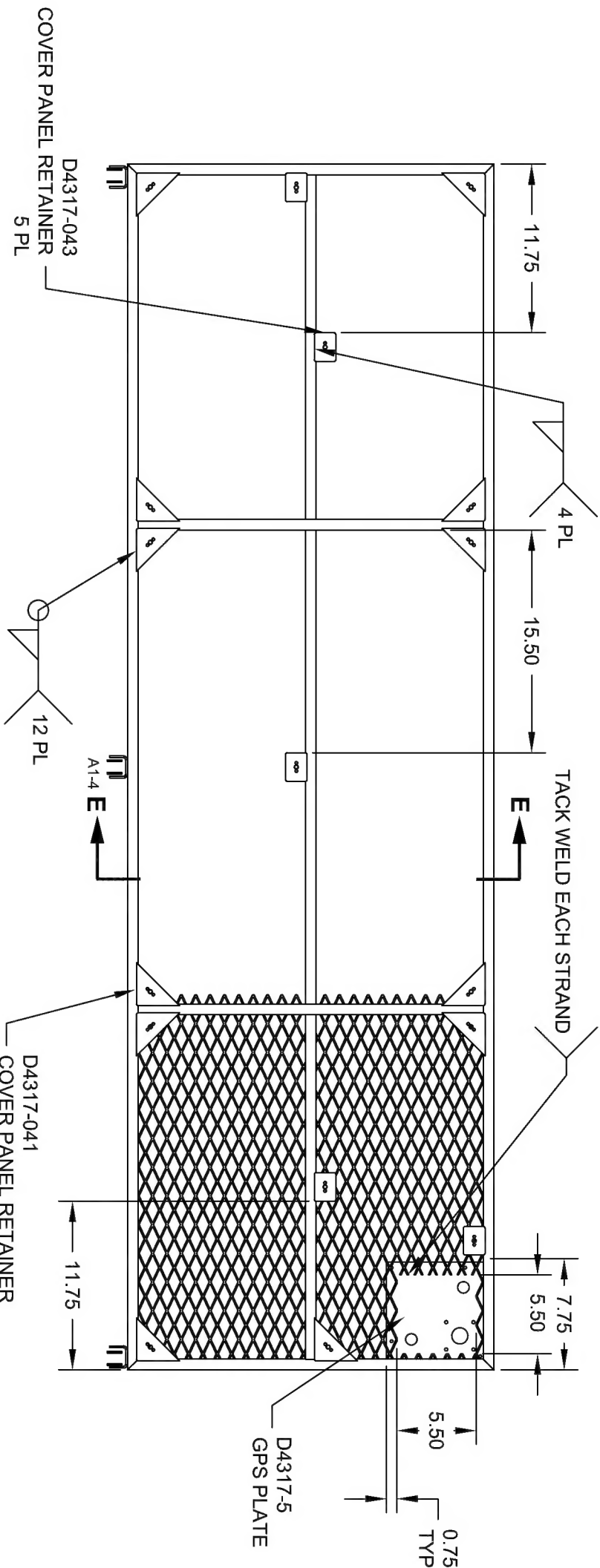
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DE APPR.		
DATE	11.02.22	

DRAWING NO.		REV. A SHEET 3 OF 4 SCALE NTS
DSI 9542		
TITLE		
BASKET MODIFICATION		

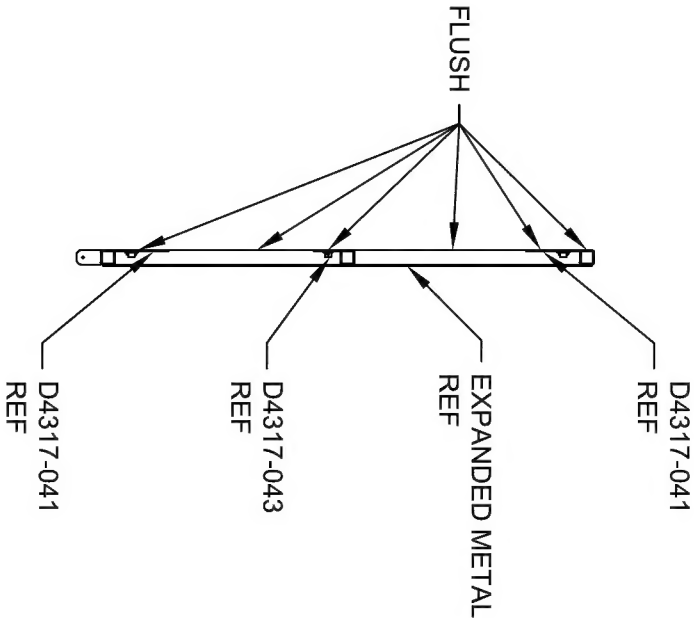
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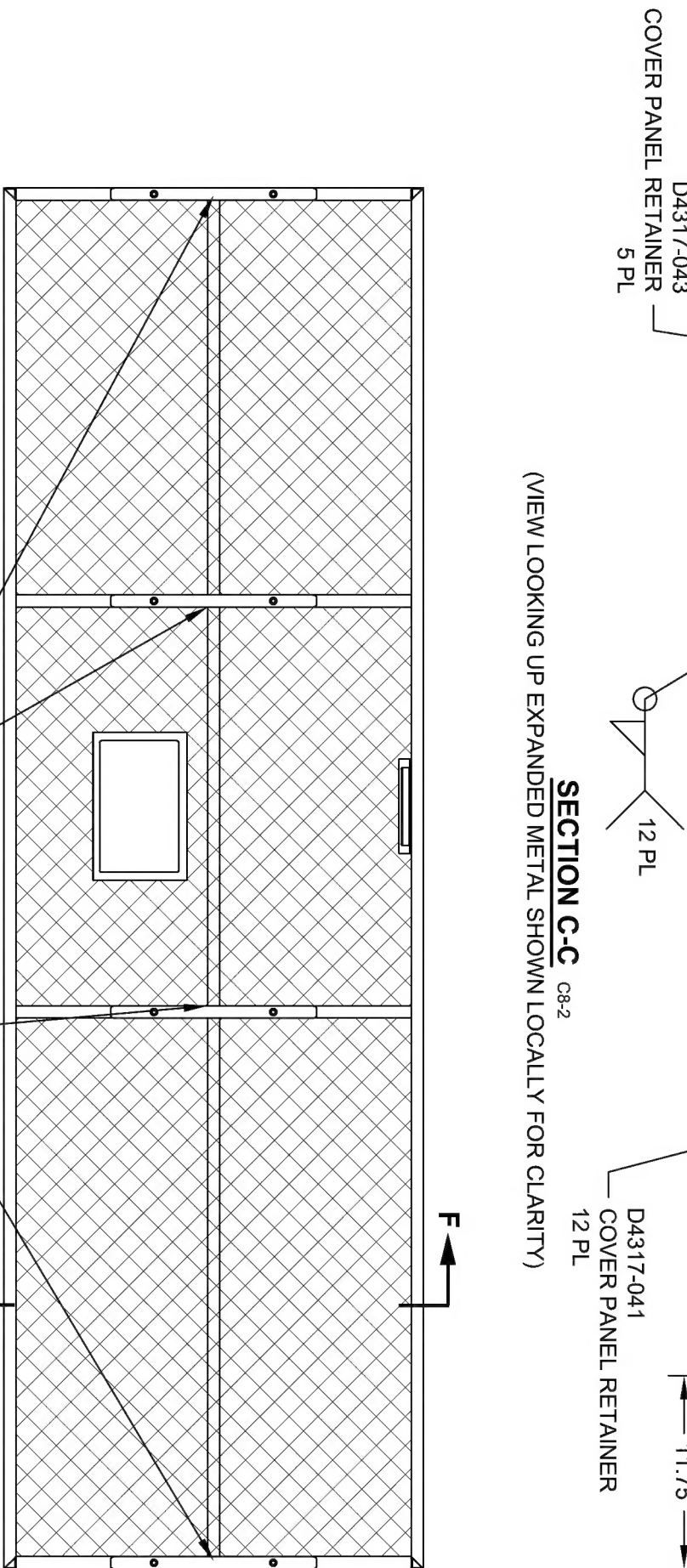


PRELIMINARY A3
11.02.22 (AJS)

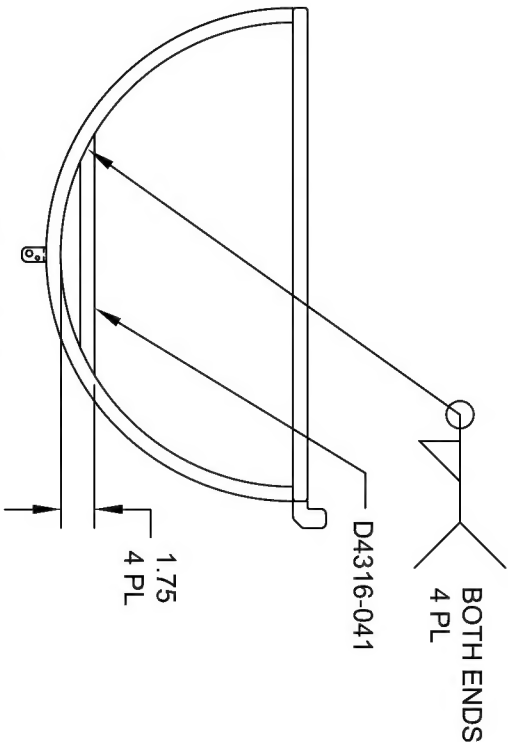
SECTION E-E C5-4



SECTION C-C C8-2
(VIEW LOOKING UP EXPANDED METAL SHOWN LOCALLY FOR CLARITY)



SECTION F-F A5-4



SECTION D-D B8-2

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01
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MFG. APPR.		DSI 9542	SHEET 4 OF 4
APPROVED		TITLE	SCALE
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